

IN THE ABSTRACT

Please amend the Abstract in accordance with that appearing on the following page:

ABSTRACT OF THE DISCLOSURE

~~Abstract: Receivers comprising~~ A receiver including a
(differential-quadrature-) phase-shift-keying demodulators
demodulator (4) and a differential detectorsdetector (10)
consisting of decodershaving a decoder (19), are is provided with a
non-linear compensatorscompensator (20) for compensating the
decoder output signalssignal for (parts part of) an interference
termsterm, to improve the decoding process and to reduce the number
of incorrect decisions. The non-linear ~~compensators~~ compensator
(20) ~~comprise~~ includes a channel estimatorsestimator (22) for
estimating ~~coefficients~~ a coefficient of terms a term of the
decoder output ~~signals~~ signal and ~~removers (21,23)~~ for removing
~~terms of said~~ the term from the decoder output ~~signals~~ signal. The
receiver ~~is designed for a Bluetooth environment.~~ In the decoder
output signal $u_k = Ab_k + Bb_{k-1} + Cb_{k+1} + Db_k^* + Eb_{k-1}b_k + Fb_kb_{k+1} +$
 $Gb_{k-1}b_kb_{k+1} + H$, ~~removers remove the H term and the B term, to~~
~~reduce the complexity of extracting b_k from u_k .~~ ~~Slicers slice the~~
~~compensated decoder output signals to further compensate said~~
~~decoder output signals such that the possible values of decoder~~
~~output signals can be better distinguished from each other.~~